

## ABSTRACT OF THE DISCLOSURE

A laser beam machine includes a controller for outputting command pulse sets according to control parameter settings for controlling laser pulse output power, a thinning-out circuit, into which the command pulse sets are inputted, for thinning out pulses of the command pulse sets, based on predetermined setting values, an electric power supplying unit for generating, in response to command pulse sets outputted from the thinning-out circuit, pulsed electric power supplied to a load, and a generator for pumping, so as to output a laser beam, a laser medium with which a discharging space is filled, by electric discharge generated by the pulsed electric power supplied from the electric power supplying unit. A pulse width thereof can be considerably varied at low cost with the heat generated by the increase of the switching number of the electric power supplying unit being prevented.

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